

MEDICAID BLOOD LEAD TESTING

*Michigan Department
of Community Health*



FEBRUARY 2005

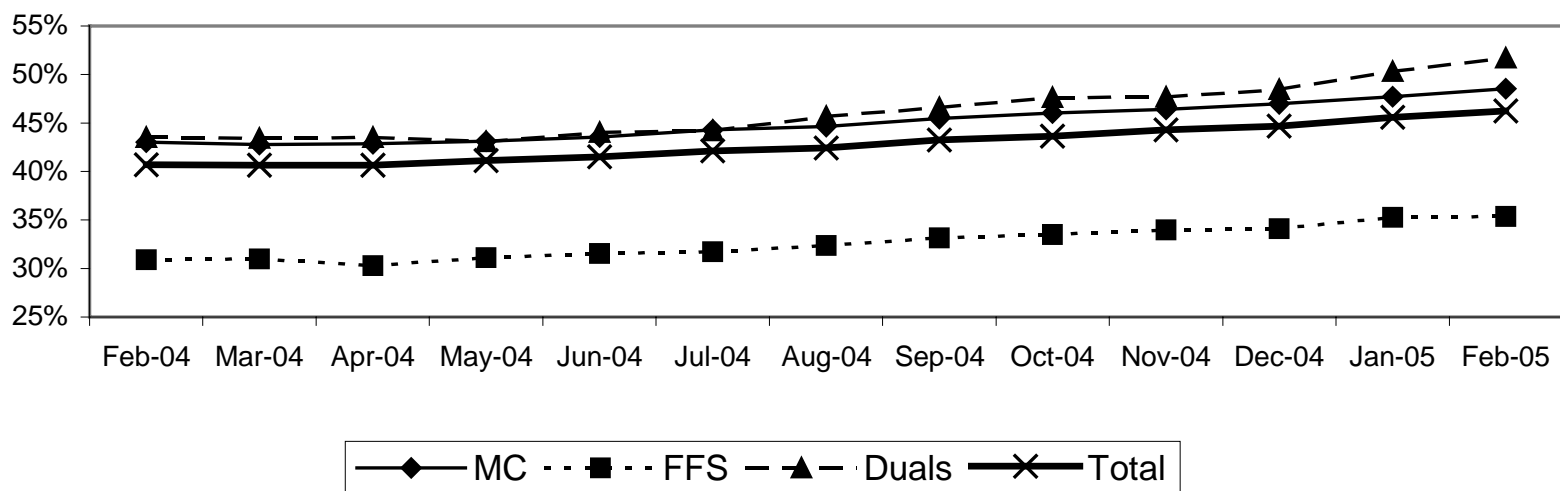
Blood Lead Testing Methodology

- Children must have been eligible for one of the following programs in February 2005
 - Medicaid Managed Care (MC)
 - enrolled in a Medicaid Health Plan (MHP)
 - Medicaid Fee-for-Service (FFS)
 - eligible for Medicaid Only FFS coverage
 - Medicaid and CSHCS Dual Eligible (Duals)
 - dually eligible for both Medicaid and CSHCS
- Blood lead testing results include children tested:
 - on or before indicated birthday for 2 and 3 year olds
 - at any time between ages 1 to 6
- Unique Client Identifier (UCI) used to establish link between Medicaid and lead databases

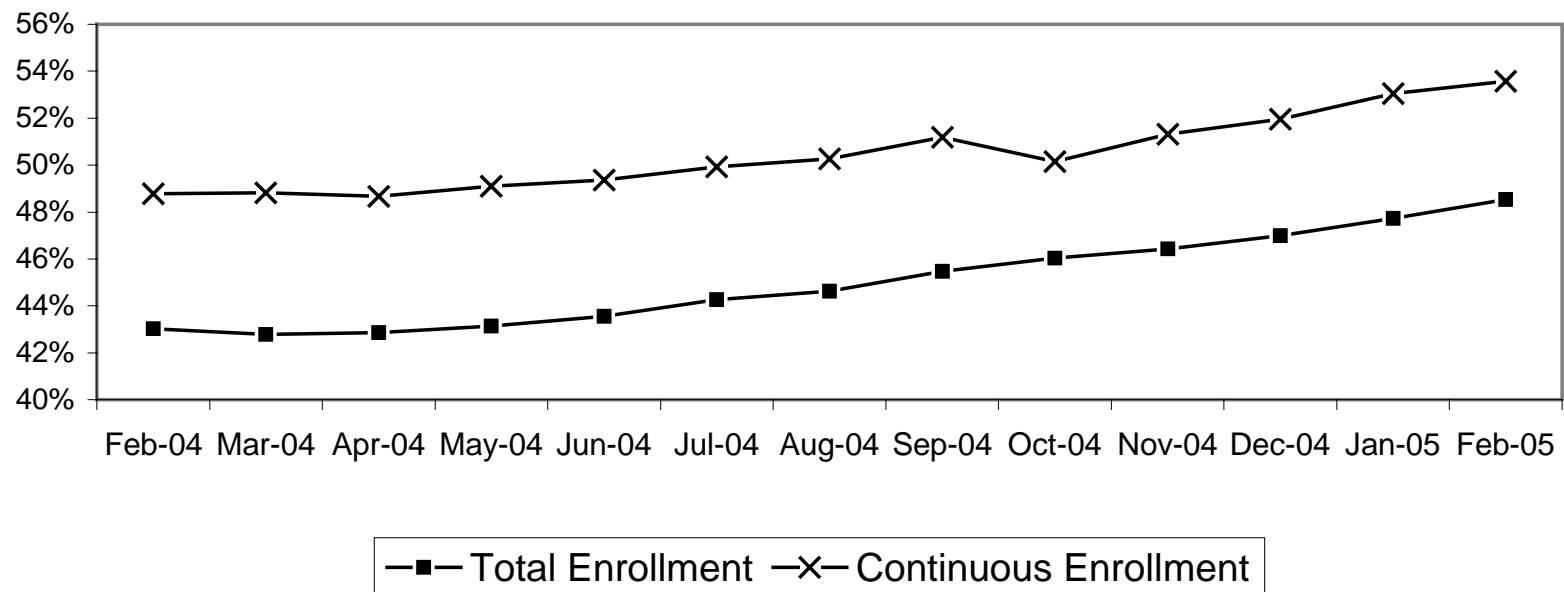
Blood Lead Testing Summary

- 2 year old children tested on or before their 2nd birthday
 - 40% Statewide
 - 58% City of Detroit
 - 42% Statewide for Medicaid MC
 - 30% Statewide for Medicaid Only FFS Eligibles
 - 44% Statewide for CSHCS Duals
- 3 year old children tested on or before their 3rd birthday
 - 46% Statewide
 - 69% City of Detroit
 - 49% Statewide for Medicaid MC
 - 54% Statewide for Medicaid MC with 12-Month Continuous Enrollment
 - 35% Statewide for Medicaid Only FFS Eligibles
 - 52% Statewide for CSHCS Duals

Children Receiving at Least One Lead Test on or before Third Birthday by Program Eligibility



Managed Care Enrolled Children Receiving at Least One Lead Test on or before Third Birthday



- Total Enrollment

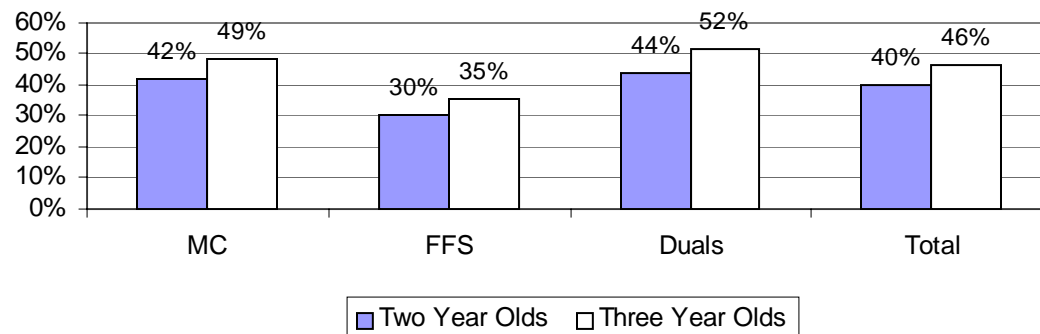
- Enrolled in measurement month

- Continuous Enrollment

- Based on MMIS eligibility system

- Enrolled in same health plan for the measurement month and 12 months preceding 3rd birthday, with a 1-month allowable gap.

**Children Receiving at Least One Lead Test on or before
Indicated Birthday by Program Eligibility
February 2005**



**Children Ages One to Six with at Least One Blood Lead
Test by Program Eligibility
February 2005**

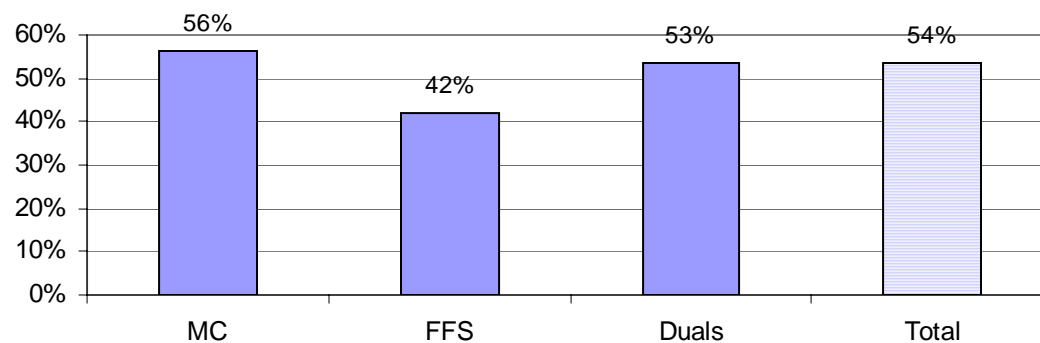


Table 1. Percent of Children with at Least One Blood Lead Test on or Before their Second Birthday

Program	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05
MC	35.5%	35.3%	35.5%	35.9%	36.3%	36.9%	37.8%	38.5%	39.2%	39.9%	40.5%	41.1%	42.1%
FFS	26.7%	26.6%	26.7%	26.2%	25.9%	26.4%	26.6%	28.1%	28.7%	29.3%	29.7%	30.1%	30.4%
Duals	39.6%	39.9%	39.6%	40.9%	41.1%	41.5%	41.2%	41.4%	40.4%	41.7%	41.7%	43.1%	44.0%
Total	33.9%	33.9%	34.0%	34.4%	34.7%	35.2%	35.8%	36.7%	37.2%	38.1%	38.6%	39.2%	40.0%

Table 2. Percent of Children with at Least One Blood Lead Test on or Before their Third Birthday

Program	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05
MC	43.0%	42.8%	42.9%	43.1%	43.5%	44.3%	44.6%	45.5%	46.0%	46.4%	47.0%	47.7%	48.5%
FFS	30.9%	31.0%	30.3%	31.1%	31.5%	31.7%	32.4%	33.1%	33.5%	34.0%	34.1%	35.3%	35.4%
Duals	43.5%	43.4%	43.5%	43.1%	44.0%	44.2%	45.7%	46.6%	47.6%	47.7%	48.5%	50.3%	51.7%
Total	40.7%	40.6%	40.6%	41.1%	41.5%	42.1%	42.4%	43.3%	43.7%	44.3%	44.7%	45.6%	46.3%

Table 3. Percent of Children Ages One to Six with at Least One Blood Lead Test

Program	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05
MC	47.3%	48.0%	47.8%	48.3%	49.0%	49.5%	51.1%	52.0%	53.8%	54.1%	54.8%	55.7%	56.1%
FFS	35.3%	36.0%	35.4%	35.8%	36.1%	36.4%	38.1%	39.1%	40.4%	40.5%	41.1%	41.8%	42.1%
Duals	47.3%	48.2%	47.7%	48.0%	48.7%	49.2%	50.3%	50.5%	51.5%	51.7%	52.1%	53.2%	53.4%
Total	45.0%	45.8%	45.6%	46.2%	46.8%	47.3%	48.7%	49.6%	51.2%	51.6%	52.3%	53.2%	53.5%

Table 4. Statewide Blood Lead Testing of Two and Three Year Old Children for All Programs
February 2005

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Alcona	45	12	27%	34	11	32%
Alger	43	31	72%	32	28	88%
Allegan	515	141	27%	471	162	34%
Alpena	141	61	43%	150	71	47%
Antrim	113	9	8%	101	14	14%
Arenac	91	15	16%	89	32	36%
Baraga	33	11	33%	38	19	50%
Barry	248	156	63%	209	158	76%
Bay	557	252	45%	566	271	48%
Benzie	72	17	24%	68	8	12%
Berrien	956	413	43%	936	477	51%
Branch	241	79	33%	223	79	35%
Calhoun	893	385	43%	834	367	44%
Cass	258	77	30%	265	91	34%
Charlevoix	93	7	8%	118	17	14%
Cheboygan	143	24	17%	172	34	20%
Chippewa	184	90	49%	204	107	52%
Clare	201	55	27%	194	53	27%
Clinton	202	30	15%	192	58	30%
Crawford	66	15	23%	64	13	20%
Delta	217	144	66%	193	161	83%
Dickinson	116	28	24%	112	30	27%
Eaton	374	209	56%	370	217	59%
Emmet	181	12	7%	171	12	7%
Genesee	2,832	913	32%	2,847	1,075	38%
Gladwin	130	17	13%	124	31	25%
Gogebic	70	9	13%	76	19	25%
Grand Traverse	356	26	7%	369	40	11%
Gratiot	230	74	32%	221	59	27%
Hillsdale	230	66	29%	236	84	36%
Houghton	142	40	28%	198	64	32%
Huron	151	53	35%	132	49	37%
Ingham	1,397	462	33%	1,362	574	42%
Ionia	309	91	29%	289	112	39%
Iosco	141	29	21%	136	27	20%
Iron	55	11	20%	52	16	31%
Isabella	280	49	18%	264	59	22%
Jackson	844	281	33%	825	279	34%
Kalamazoo	1,129	444	39%	1,136	471	41%
Kalkaska	112	32	29%	118	15	13%
Kent	3,154	2,034	64%	3,132	2,191	70%
Keweenaw	4	2	50%	14	6	43%

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Lake	69	30	43%	58	34	59%
Lapeer	340	50	15%	365	62	17%
Leelanau	44	14	32%	35	5	14%
Lenawee	449	143	32%	429	166	39%
Livingston	286	41	14%	272	56	21%
Luce	31	24	77%	23	15	65%
Mackinac	50	40	80%	36	31	86%
Macomb	2,447	794	32%	2,399	870	36%
Manistee	107	28	26%	109	25	23%
Marquette	283	86	30%	233	97	42%
Mason	133	37	28%	155	49	32%
Mecosta	244	116	48%	217	87	40%
Menominee	113	65	58%	114	79	69%
Midland	317	71	22%	321	76	24%
Missaukee	79	15	19%	72	9	13%
Monroe	508	183	36%	517	221	43%
Montcalm	307	106	35%	342	118	35%
Montmorency	44	9	20%	45	14	31%
Muskegon	1,149	533	46%	1,151	626	54%
Newaygo	266	112	42%	284	129	45%
Oakland	2,741	907	33%	2,728	968	35%
Oceana	184	79	43%	170	70	41%
Ogemaw	139	27	19%	145	50	34%
Ontonagon	21	3	14%	24	8	33%
Osceola	122	36	30%	140	51	36%
Oscoda	46	10	22%	39	7	18%
Otsego	129	6	5%	141	7	5%
Ottawa	843	269	32%	853	318	37%
Presque Isle	57	14	25%	49	20	41%
Roscommon	117	11	9%	137	19	14%
Saginaw	1,286	472	37%	1,398	587	42%
St Clair	714	195	27%	730	194	27%
St Joseph	396	103	26%	352	144	41%
Sanilac	223	65	29%	225	84	37%
Schoolcraft	44	35	80%	44	30	68%
Shiawassee	372	82	22%	357	87	24%
Tuscola	293	85	29%	286	82	29%
Van Buren	456	156	34%	467	210	45%
Washtenaw	904	227	25%	889	267	30%
Wayne ex Detroit	3,553	1,144	32%	3,483	1,402	40%
Detroit, City of	9,784	5,633	58%	9,845	6,775	69%
Wexford	205	35	17%	190	23	12%
MICHIGAN	47,444	18,997	40%	47,206	21,833	46%

**Table 5. Statewide Blood Lead Testing of Two and Three Year Old Children Enrolled in Managed Care
February 2005**

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Alcona	35	7	20%	29	11	38%
Alger	31	24	77%	21	19	90%
Allegan	400	114	29%	382	130	34%
Alpena	112	54	48%	122	58	48%
Antrim	0	0	NA	1	0	0%
Arenac	76	14	18%	74	26	35%
Baraga	20	7	35%	20	11	55%
Barry	127	79	62%	110	89	81%
Bay	475	221	47%	467	231	49%
Benzie	52	13	25%	38	2	5%
Berrien	803	358	45%	796	414	52%
Branch	193	69	36%	184	68	37%
Calhoun	760	339	45%	701	310	44%
Cass	198	65	33%	220	80	36%
Charlevoix	3	1	33%	4	1	25%
Cheboygan	3	0	0%	2	1	50%
Chippewa	120	58	48%	120	55	46%
Clare	3	1	33%	1	1	100%
Clinton	147	21	14%	157	51	32%
Crawford	51	9	18%	46	11	24%
Delta	173	121	70%	153	129	84%
Dickinson	87	20	23%	70	16	23%
Eaton	311	168	54%	298	178	60%
Emmet	3	1	33%	0	0	NA
Genesee	2,441	788	32%	2,457	923	38%
Gladwin	93	11	12%	91	22	24%
Gogebic	53	8	15%	61	15	25%
Grand Traverse	6	0	0%	9	2	22%
Gratiot	177	56	32%	173	47	27%
Hillsdale	190	57	30%	182	69	38%
Houghton	114	32	28%	154	45	29%
Huron	113	41	36%	103	41	40%
Ingham	1,143	385	34%	1,152	489	42%
Ionia	181	56	31%	183	67	37%
Iosco	127	25	20%	107	25	23%
Iron	46	10	22%	47	16	34%
Isabella	3	0	0%	6	1	17%
Jackson	687	242	35%	660	234	35%
Kalamazoo	951	383	40%	956	404	42%
Kalkaska	1	0	0%	2	1	50%
Kent	2,623	1,724	66%	2,582	1,873	73%
Keweenaw	4	2	50%	11	5	45%

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Lake	50	22	44%	40	20	50%
Lapeer	257	40	16%	274	47	17%
Leelanau	2	1	50%	2	0	0%
Lenawee	343	114	33%	351	136	39%
Livingston	235	36	15%	215	47	22%
Luce	22	15	68%	21	13	62%
Mackinac	33	25	76%	22	19	86%
Macomb	2,098	698	33%	2,019	751	37%
Manistee	86	22	26%	82	20	24%
Marquette	225	64	28%	190	79	42%
Mason	8	3	38%	8	2	25%
Mecosta	198	89	45%	174	69	40%
Menominee	84	47	56%	91	60	66%
Midland	12	2	17%	12	3	25%
Missaukee	60	12	20%	47	8	17%
Monroe	392	159	41%	404	178	44%
Montcalm	243	81	33%	279	99	35%
Montmorency	35	8	23%	33	12	36%
Muskegon	955	440	46%	974	529	54%
Newaygo	216	97	45%	225	102	45%
Oakland	2,332	792	34%	2,263	831	37%
Oceana	147	64	44%	142	58	41%
Ogemaw	121	24	20%	126	45	36%
Ontonagon	16	2	13%	18	6	33%
Osceola	94	29	31%	111	44	40%
Oscoda	37	8	22%	32	6	19%
Otsego	56	4	7%	53	3	6%
Ottawa	645	202	31%	656	247	38%
Presque Isle	45	11	24%	40	16	40%
Roscommon	99	9	9%	117	16	14%
Saginaw	1,127	411	36%	1,199	497	41%
St Clair	562	157	28%	580	164	28%
St Joseph	326	85	26%	291	118	41%
Sanilac	183	52	28%	177	67	38%
Schoolcraft	39	30	77%	35	27	77%
Shiawassee	301	68	23%	297	69	23%
Tuscola	214	62	29%	226	62	27%
Van Buren	394	141	36%	392	184	47%
Washtenaw	782	200	26%	754	237	31%
Wayne ex Detroit	3,068	1,019	33%	2,987	1,221	41%
Detroit, City of	8,680	5,051	58%	8,740	6,016	69%
Wexford	58	8	14%	71	8	11%
MICHIGAN	38,016	15,988	42%	37,722	18,307	49%

**Table 6. Statewide Blood Lead Testing of Two and Three Year Old Children Eligible for Medicaid Only Fee-for-Service Coverage
February 2005**

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Alcona	9	4	44%	5	0	0%
Alger	11	6	55%	10	8	80%
Allegan	94	19	20%	81	29	36%
Alpena	23	6	26%	25	11	44%
Antrim	110	9	8%	96	14	15%
Arenac	11	0	0%	11	5	45%
Baraga	13	4	31%	17	8	47%
Barry	116	74	64%	93	65	70%
Bay	78	31	40%	90	35	39%
Benzie	18	4	22%	25	5	20%
Berrien	134	45	34%	117	51	44%
Branch	42	7	17%	32	9	28%
Calhoun	116	40	34%	111	47	42%
Cass	53	10	19%	38	10	26%
Charlevoix	84	6	7%	108	15	14%
Cheboygan	136	23	17%	165	31	19%
Chippewa	60	31	52%	75	46	61%
Clare	194	53	27%	185	48	26%
Clinton	53	9	17%	29	7	24%
Crawford	11	4	36%	18	2	11%
Delta	38	20	53%	34	27	79%
Dickinson	26	8	31%	42	14	33%
Eaton	55	34	62%	64	34	53%
Emmet	171	11	6%	164	12	7%
Genesee	334	100	30%	335	122	36%
Gladwin	33	5	15%	27	7	26%
Gogebic	15	1	7%	12	4	33%
Grand Traverse	342	24	7%	355	37	10%
Gratiot	44	16	36%	43	10	23%
Hillsdale	34	7	21%	45	14	31%
Houghton	24	7	29%	40	17	43%
Huron	38	12	32%	24	6	25%
Ingham	220	61	28%	179	76	42%
Ionia	123	33	27%	99	42	42%
Iosco	10	2	20%	26	2	8%
Iron	6	1	17%	5	0	0%
Isabella	265	43	16%	246	54	22%
Jackson	129	27	21%	149	38	26%
Kalamazoo	142	40	28%	140	47	34%
Kalkaska	105	30	29%	113	14	12%
Kent	453	266	59%	482	270	56%
Keweenaw	0	0	NA	2	1	50%

County	2 Years of Age			3 Years of Age		
	Eligibles	Eligibles with at least 1 test on or before their 2nd birthday	Percent of Eligibles with at least 1 test on or before their 2nd birthday	Eligibles	Eligibles with at least 1 test on or before their 3rd birthday	Percent of Eligibles with at least 1 test on or before their 3rd birthday
Lake	17	8	47%	17	14	82%
Lapeer	72	9	13%	87	13	15%
Leelanau	41	13	32%	33	5	15%
Lenawee	95	26	27%	73	28	38%
Livingston	46	5	11%	49	8	16%
Luce	8	8	100%	2	2	100%
Mackinac	15	13	87%	13	11	85%
Macomb	310	81	26%	337	101	30%
Manistee	20	6	30%	26	4	15%
Marquette	48	20	42%	38	16	42%
Mason	125	34	27%	144	47	33%
Mecosta	41	24	59%	38	16	42%
Menominee	27	17	63%	22	18	82%
Midland	299	68	23%	306	72	24%
Missaukee	17	3	18%	25	1	4%
Monroe	109	21	19%	100	39	39%
Montcalm	60	23	38%	56	16	29%
Montmorency	8	1	13%	9	2	22%
Muskegon	170	78	46%	151	76	50%
Newaygo	46	15	33%	54	24	44%
Oakland	368	104	28%	393	110	28%
Oceana	31	13	42%	28	12	43%
Ogemaw	15	1	7%	18	4	22%
Ontonagon	3	1	33%	6	2	33%
Osceola	23	5	22%	25	5	20%
Oscoda	8	2	25%	7	1	14%
Otsego	68	1	1%	82	4	5%
Ottawa	178	60	34%	178	64	36%
Presque Isle	10	3	30%	7	3	43%
Roscommon	16	2	13%	17	3	18%
Saginaw	138	52	38%	166	70	42%
St Clair	140	34	24%	133	27	20%
St Joseph	56	14	25%	49	19	39%
Sanilac	35	9	26%	43	15	35%
Schoolcraft	5	5	100%	8	2	25%
Shiawassee	59	11	19%	53	16	30%
Tuscola	68	17	25%	50	14	28%
Van Buren	53	13	25%	57	19	33%
Washtenaw	107	23	21%	117	25	21%
Wayne ex Detroit	417	94	23%	425	144	34%
Detroit, City of	912	460	50%	922	602	65%
Wexford	142	26	18%	113	15	13%
MICHIGAN	8,399	2,556	30%	8,434	2,983	35%

Table 7. Blood Lead Testing of Three Year Old Children by Length of Enrollment
February 2005

Health Plan Name	Total Enrollment			Continuous Enrollment			
	Eligibles	Eligibles with at least one lead test on or before 3rd birthday	Percent of Eligibles with at least one lead test on or before 3rd birthday	Eligibles	Eligibles with at least one lead test on or before 3rd birthday	Percent of Eligibles with at least one lead test on or before 3rd birthday	Percentage Point Difference with Continuous Enrollment
CAPE Health Plan	3,989	2,088	52%	1,979	1,174	59%	7
Community Choice Michigan	1,947	1,020	52%	1,311	755	58%	5
Great Lakes Health Plan, Inc.	4,348	1,722	40%	2,331	1,009	43%	4
Health Plan Of Michigan, Inc.	3,909	1,665	43%	1,683	865	51%	9
HealthPlus Partners, Inc.	2,707	1,123	41%	1,688	765	45%	4
M-Caid	859	255	30%	426	161	38%	8
McLaren Health Plan	1,989	659	33%	763	269	35%	2
Midwest Health Plan	2,394	1,357	57%	1,180	766	65%	8
Molina Healthcare of Michigan	6,125	3,223	53%	1,619	792	49%	-4
OmniCare Health Plan	2,167	1,418	65%	1,260	860	68%	3
PHP-MM Family Care	861	369	43%	458	226	49%	6
PHP of Southwest Michigan	1,632	693	42%	947	494	52%	10
Priority Health Government Programs, Inc.	1,832	1,135	62%	828	605	73%	11
Total Health Care	1,929	1,065	55%	1,011	621	61%	6
Upper Peninsula Health Plan	1,034	515	50%	661	360	54%	5
Managed Care Totals/Percent	37,722	18,307	49%	18,145	9,722	54%	5
Current Performance Monitoring Standard			45%	50%			

FFS (Title XIX only)	8,434	2,983	35%	2,897	946	33%	-3
FFS (Title V/XIX)	1,044	540	52%	662	307	46%	-5
FFS Totals (Title XIX and V/XIX)	9,478	3,523	37%	3,559	1,253	35%	-2

Total Enrollment:

- Based on MMIS eligibility system
- Enrolled in plan (health plan or FFS) for the measurement month

Continuous Enrollment:

- Based on MMIS eligibility system
- Enrolled in same plan (health plan or FFS) for the measurement month and 12 months preceding 3rd birthday, with 1-month allowable gap